

1645

PTO/SB/21 (08-00)

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30318-109CIP		

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Firm or Individual name	Stephen J. Gaudet Reg. No.: 48,921
Signature	
Date	5/9/03

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PATENT
Att'y Docket No. 30318-109CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant: Abraham Grossman
Serial Number: 09/752,231
Filed: December 29, 2000

Examiner: N/A
Group Art Unit: 1645

For: METHODS, COMPOSITIONS AND APPARATUS FOR MAKING NUCLEIC ACID MOLECULES HAVING A SELECTED AFFINITY TO A TARGET MOLECULE

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Sir:

This Information Disclosure Statement (Form PTO-1449) is submitted under 37 CFR 1.97(c), including copies of the cited references. Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office (PCT Receiving Office/US) in a counterpart foreign application prior to receiving its first office action. It comprises material of a corresponding European Patent Office Search Report mailed January 8, 2003.

REMARKS

Applicant submits herewith a Information Disclosure Statement under 37 CFR 1.97(c). The references were cited in an International Search Report for the corresponding PCT application. In view thereof, no fee is required at this time. If the payment of a fee is deemed necessary, please charge such fee to Deposit Account No. 03-2410, order 30318-109CIP.

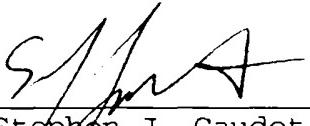
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Stephen J. Gaudet (617) 854-4000.

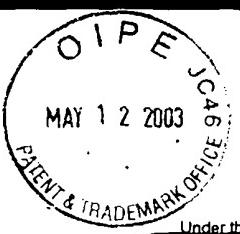
Respectfully submitted,
ABRAHAM GROSSMAN, Applicant

Dated: May 9, 2003

By:


Stephen J. Gaudet
Reg. No. 48,921
Attorney for Applicant

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

Complete if Known	
Application Number	09/752,231
Filing Date	December 29, 2000
First Named Inventor	Abraham Grossman
Art Unit	1645
Examiner Name	N/A
Attorney Docket Number	30318-109CIP

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ² Number ³ Kind Code ⁵ (if known)	MM-DD-YYYY			
		WO 99 58661 A	11/18/1999	Diatech Pty. Ltd.	page 4, line 2 line 11; claims 1	
		WO 98 54312 A	12/31/1998	Babraham Inst.	whole document	
		WO 98 36100 A	08/20/1998	Invitro Diagnostics		

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Filing Date	December 29, 2000
First Named Inventor	Abraham Grossman
Art Unit	1645
Examiner Name	N/A

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		ELLINGTON A.D., et al.; "In Vitro Selection of RNA Molecules that Bind Specific Ligands"; Nature, Macmillan Journals Ltd. London, GB, vol. 346, 30 August 1990, pages 818-822, XP000673540	
		SASSANFAR Mandana, et al.; "An RNA motif that binds ATP"; Nature, Macmillan Journals Ltd. London, GB, vol. 364, no. 6437, 5 August 1993, pages 550-553, XP002204732, ISSN: 0028-0836	
		BIEBRICHER C.K.; "Replication and Evolution of Short-Chained RNA Species Replicated by QBETA Replicase"; Cold Spring Harbor Symposia on Quantitative Biology, New York, NY, US, vol. 52, 1987, pages 299-306, XP000984949, page 299, column 1-2	
		HANES J. & PLUCKTHUN A; "In Vitro selection and evolution of functional proteins by using ribosome display"; Proceedings of the National Academy of Sciences of USA, National Academy of Science, Washington, US, no. 94, pages 4937-4942, XP002077149 ISSN: 0027-8424, page 4938, column 1-2, figure 1, table 1	
		COX J.C. et al.; "Automated RNA Selection"; Biotechnology Progress, vol. 14, October 1998, pages 845-850, XP002927340, ISSN: 8756-7918, page 845, column 1 - page 847, column 2	
		BURKE J.M. et al.; "In Vitro Selection and Evolution of RNA: Applications for Catalytic RNA, Molecular Recognition, and Drug Recovery"; FASEB Journal, Fed. of American Soc. for Experimental Biology, Bethesda, MD, US, vol. 7, no. 1, 1993 pages 106-112, XP000567892 ISSN: 0892-6638, page 107, column 2 - page 108, column 2; figures 1,3	

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				Application Number	09/752,231
				Filing Date	December 29, 2000
				First Named Inventor	Abraham Grossman
				Art Unit	1645
				Examiner Name	N/A
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		<p>BIEBRICHER C.K., et al.; "Molecular Evolution of RNA in Vitro", Biophysical Chemistry, Amsterdam, NL, vol. 66, no. 2/3, 30 June 1997, pages 179-192, XP000989587, page 188, column 2, paragraph 2 - page 189, column 1, paragraph 2</p> <p>FAMULOK M., et al.; "In Vitro Selection of Specific Ligand-Binding Nucleic Acids"; Angewandte Chemie, International Edition, Verlag Chemie, Weinheim, DE, vol. 31, no. 8, 1 August 1992, pages 979-988, XP000298700, ISSN: 0570-0833, the whole document</p> <p>JOYCE Gerald F.; "In Vitro Evolution of Nucleic Acids"; Current Opinion in Structural Biology, vol. 4, no. 3, 1994, pages 331-336 XP001120621, ISSN: 0959-440x, the whole document</p> <p>TSANG J., et al.; "In Vitro Evolution of Randomized Ribozymes"; Methods in Enzymology, United States 1996, vol. 267, 1996, pages 410-426, XP001120470, ISSN: 0076-6879, the whole document</p> <p>TUERK Craig, et al.; "In Vitro Evolution of Functional Nucleic Acids: High-Affinity RNA Ligands of the HIV-1 Rev Protein"; PCR: The Polymerase Chain Reaction, 1994, pages 233-243, XP001120462, Birkhaeuser Boston, Inc., Birkhaeuser Verlag 175 Fifth Avenue, New York, NY 10010, USA; P.O. Box 133, CH-4010 Basel, Switzerland ISBN: 0-8176-3607-2, the whole document</p>	

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